

FIG.1

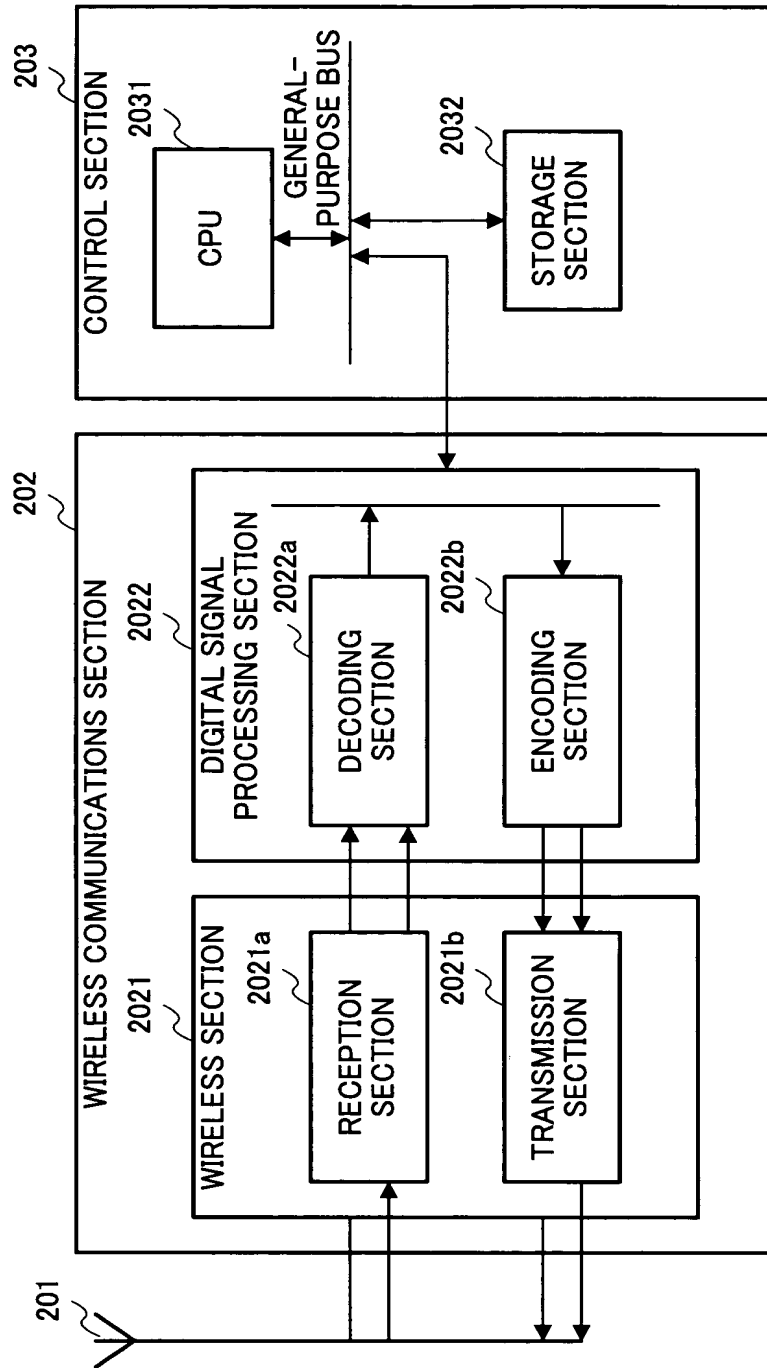


FIG.2

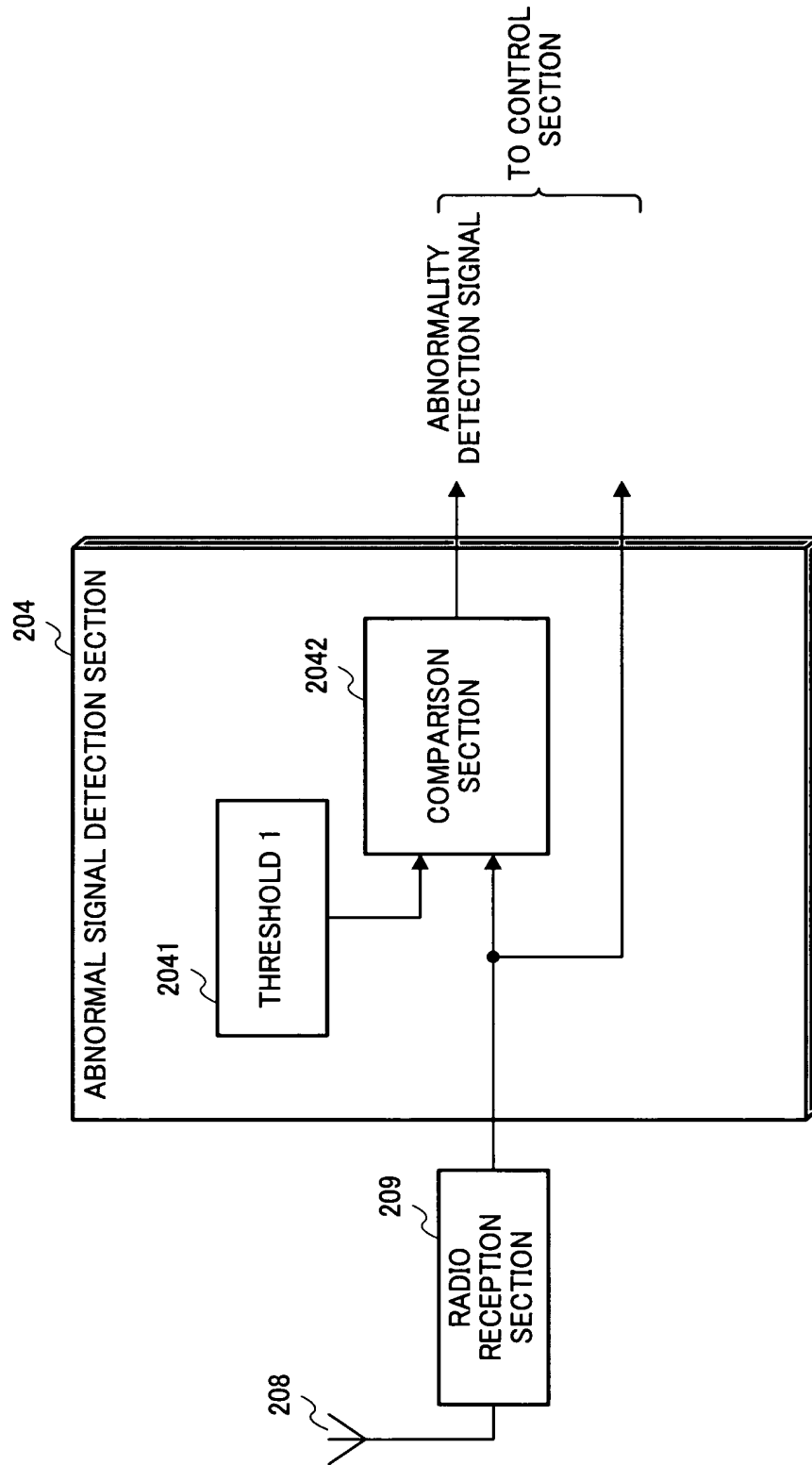


FIG.3

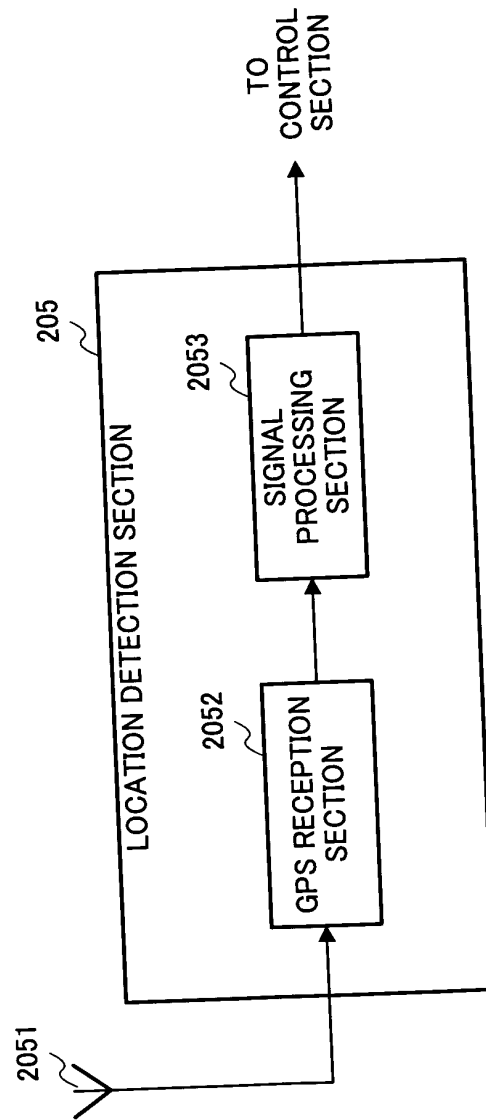


FIG.4

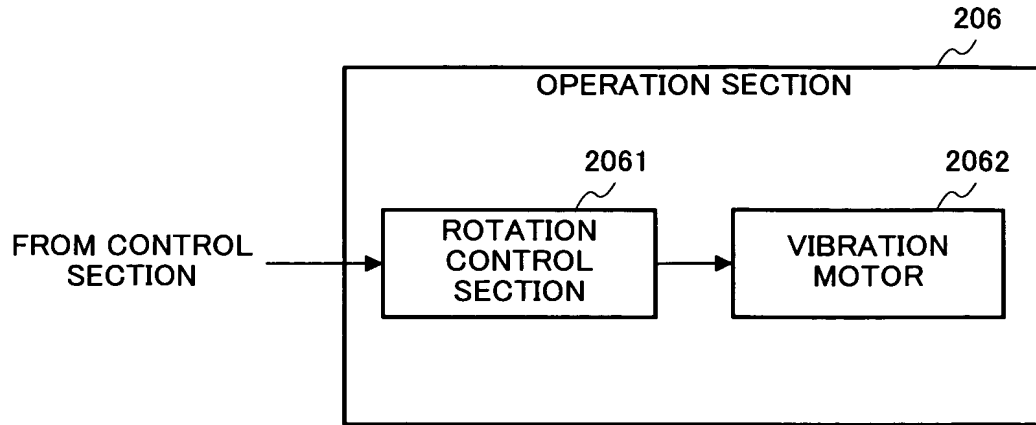


FIG.5

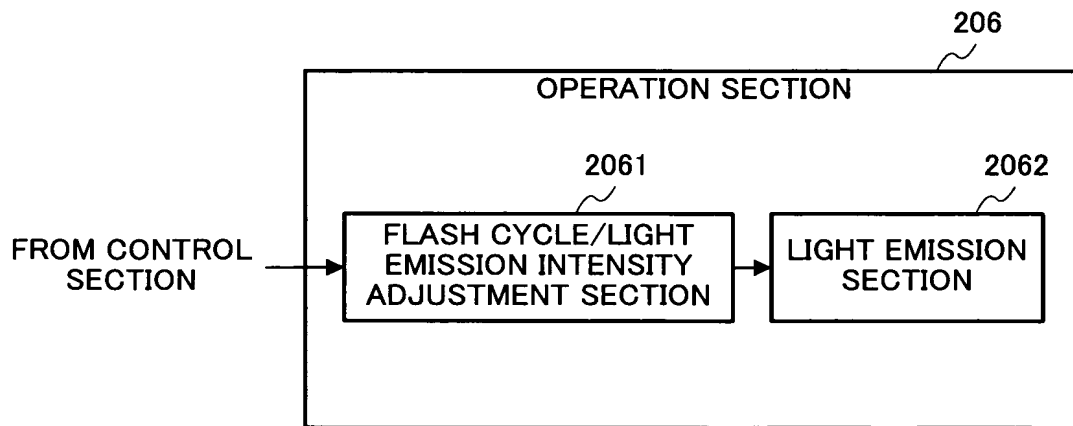


FIG.6

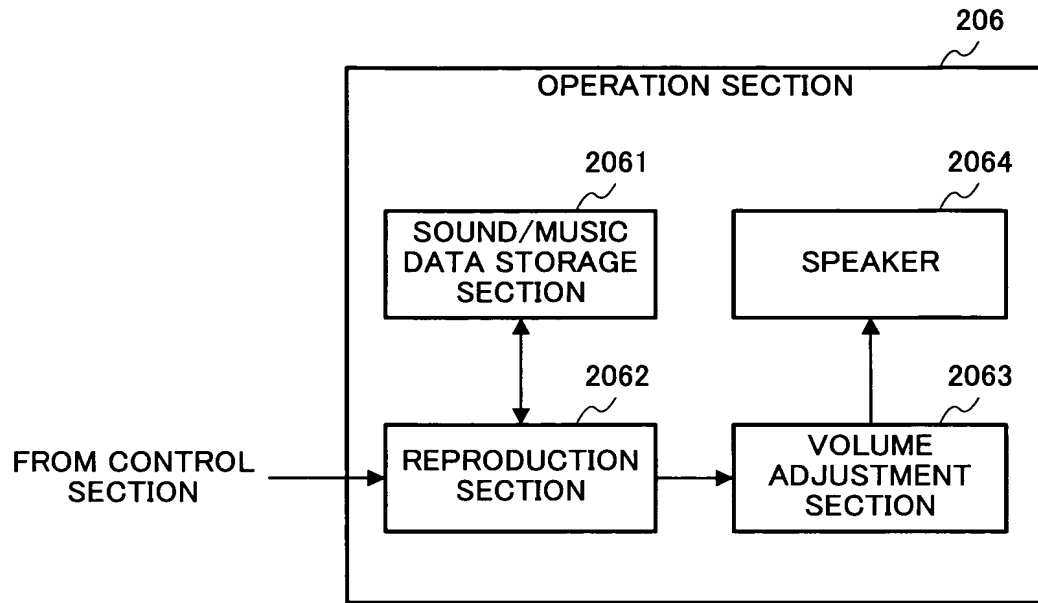


FIG. 7

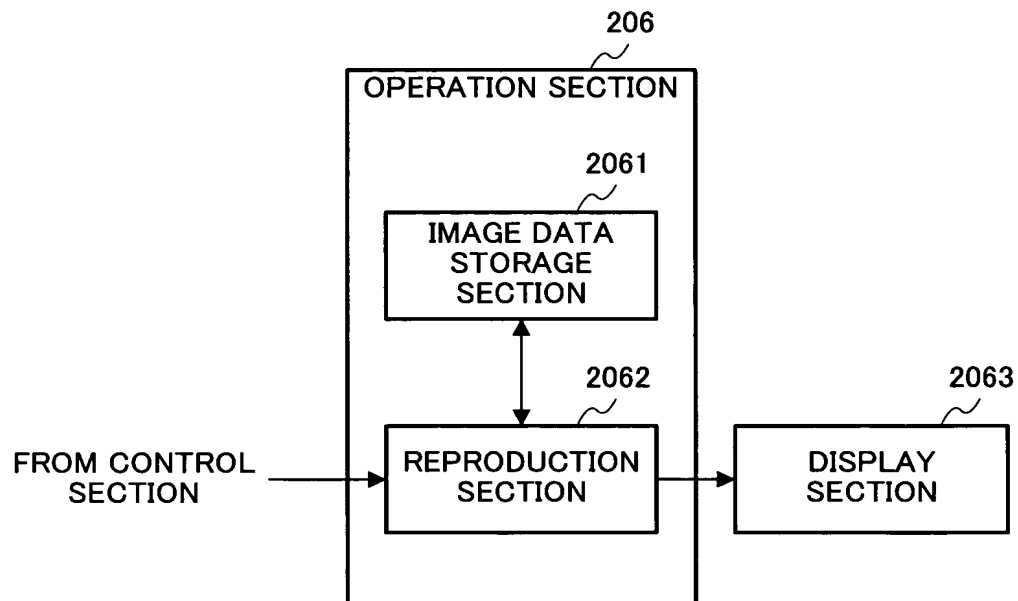


FIG. 8

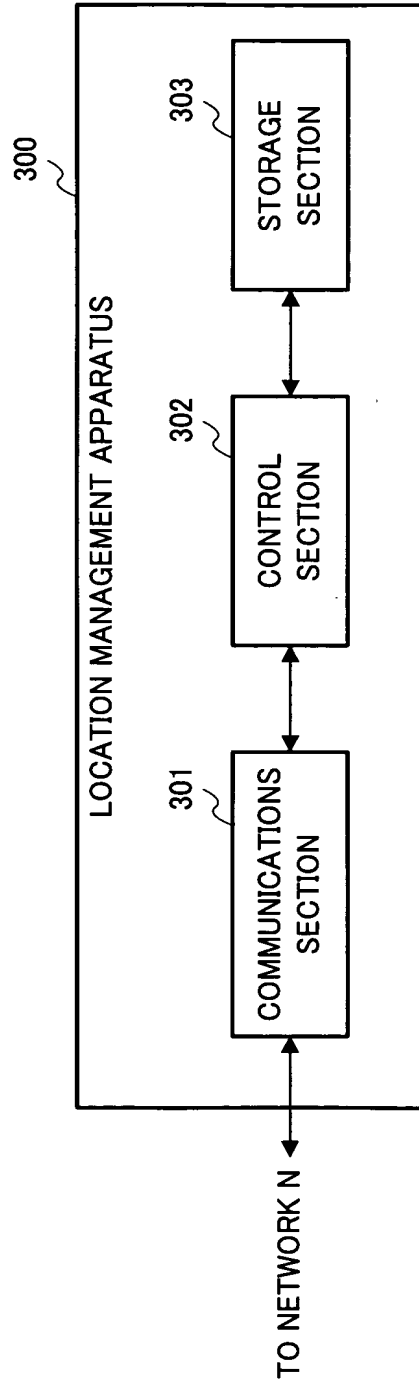


FIG.9

| USER MANAGEMENT DB 1000 | | | | | | | | |
|-------------------------|--|------------|--|------------|-----------|---------|--|------------|
| USER ID | | NORTH | | | EAST | | | IP ADDRESS |
| | | LATITUDE | | | LONGITUDE | | | |
| USER 1 | | AB DEGREES | | CD DEGREES | | 12.34.5 | | |
| USER 2 | | XY DEGREES | | YY DEGREES | | 12.34.5 | | |
| USER 3 | | YY DEGREES | | ZY DEGREES | | 12.34.5 | | |
| : | | | | | | | | |
| | | | | AREA 2 | AREA 1 | | | |

FIG.10

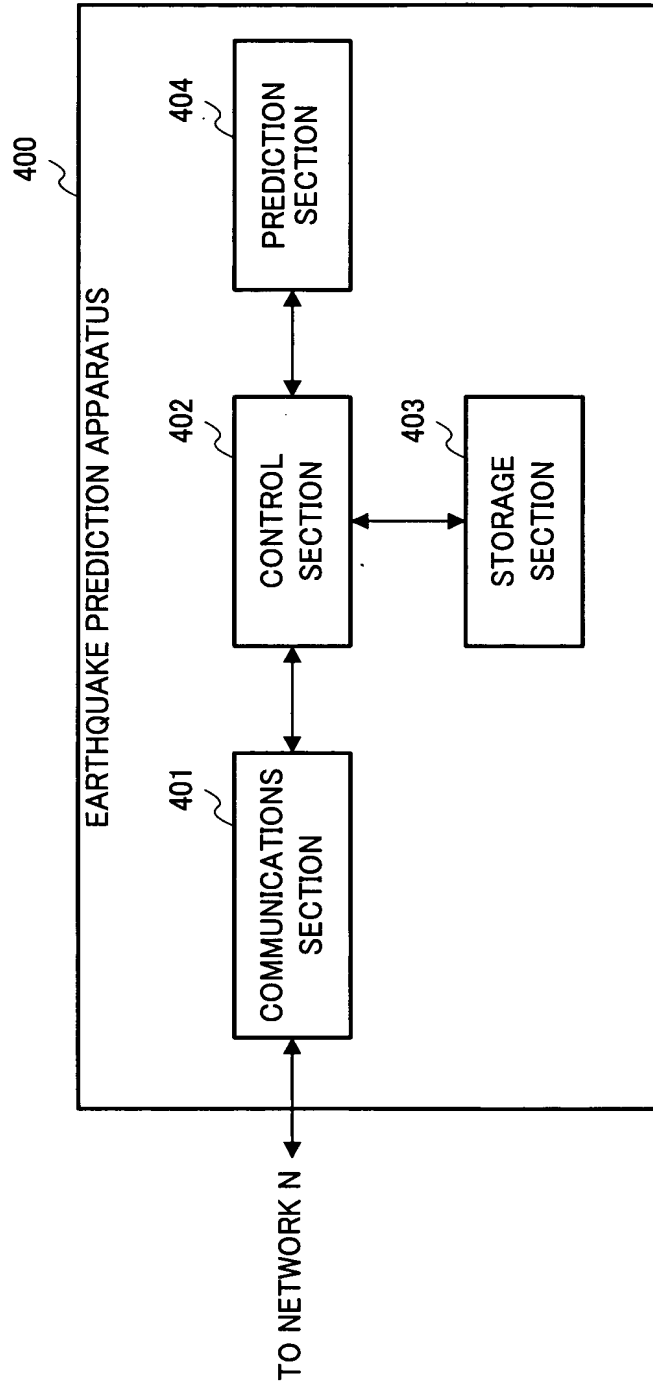


FIG.11

| USER REPORT DB 1200 | | |
|---------------------|-----------|-----------------------|
| USER ID | FREQUENCY | REPORT RECEPTION TIME |
| USER 1 | 5 | 12:45 |
| USER 2 | 3 | 12:49 |
| USER 3 | 7 | 12:49 |
| USER 2 | 10 | 12:50 |
| USER 3 | 12 | 12:50 |
| USER 2 | 11 | 12:51 |

SAME TIME PERIOD (WITHIN 3 MIN.)

FIG.12

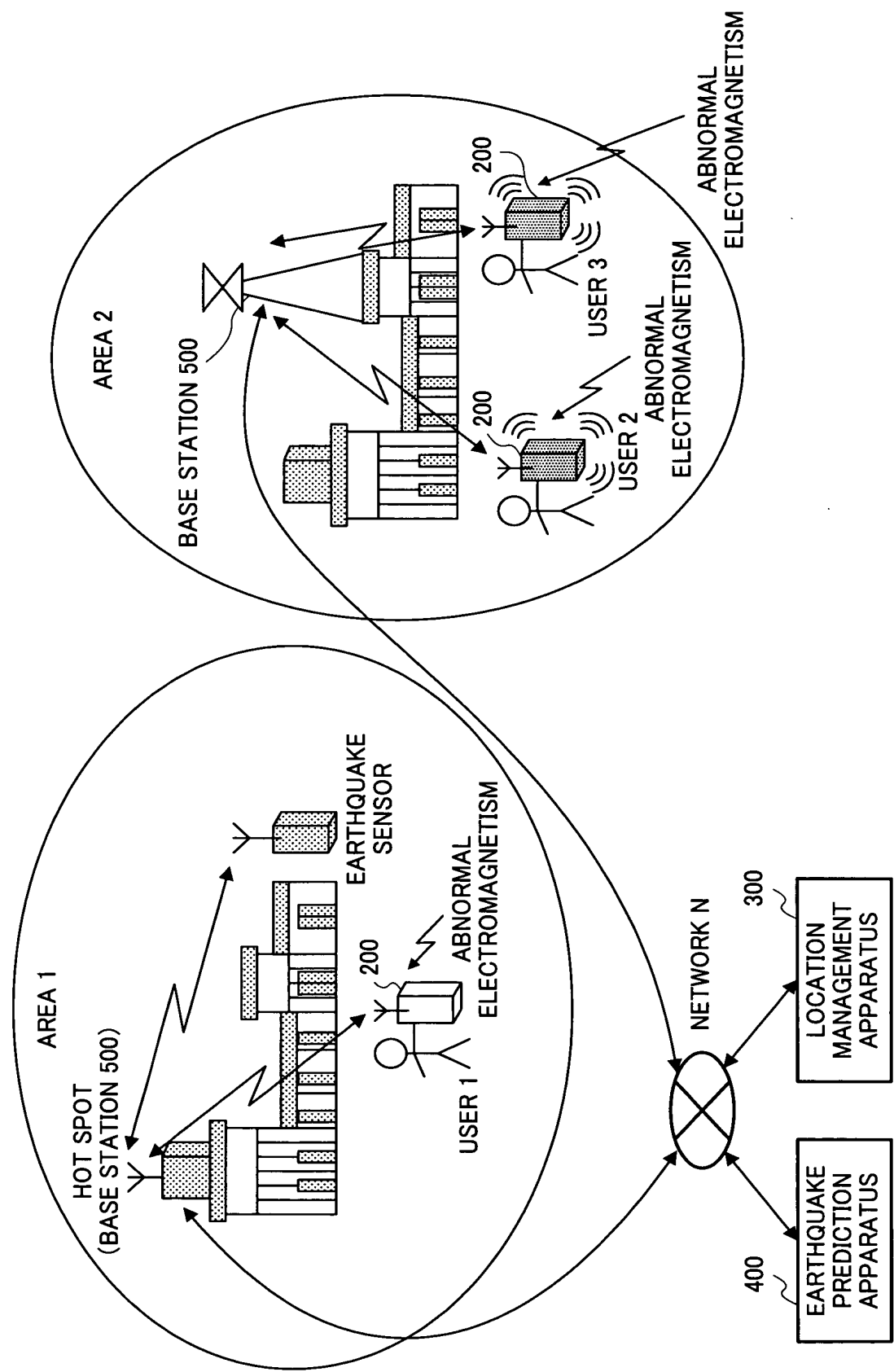


FIG.13

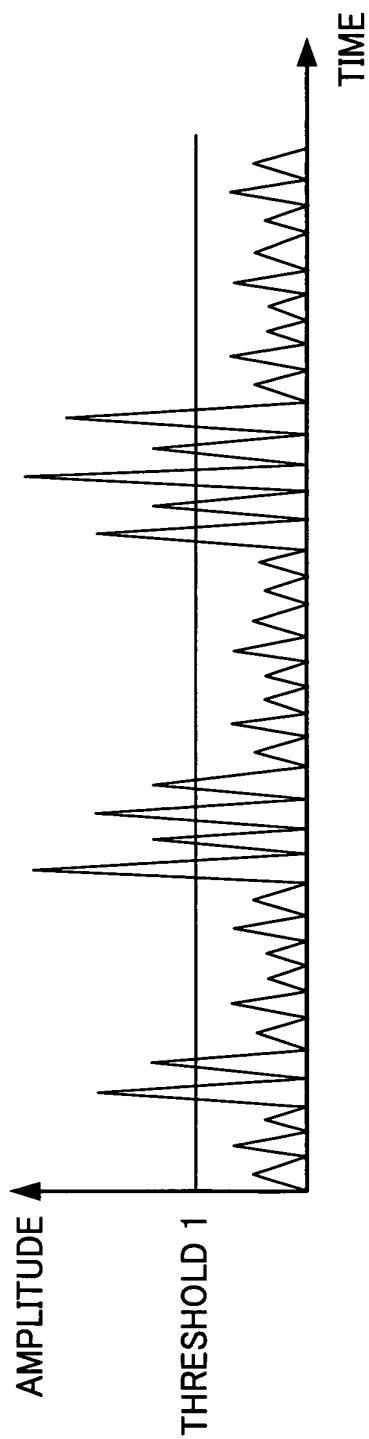


FIG.14

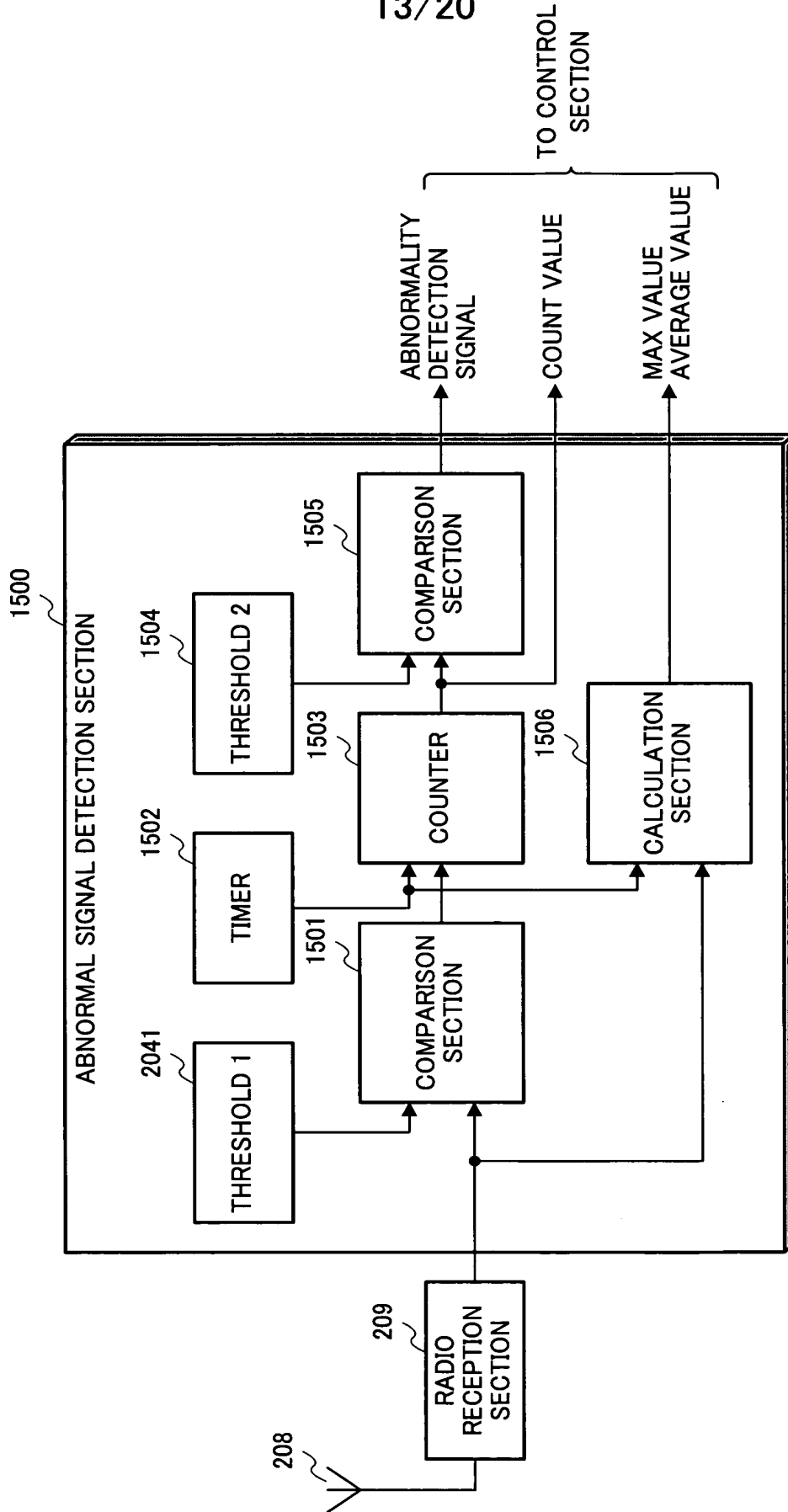


FIG.15

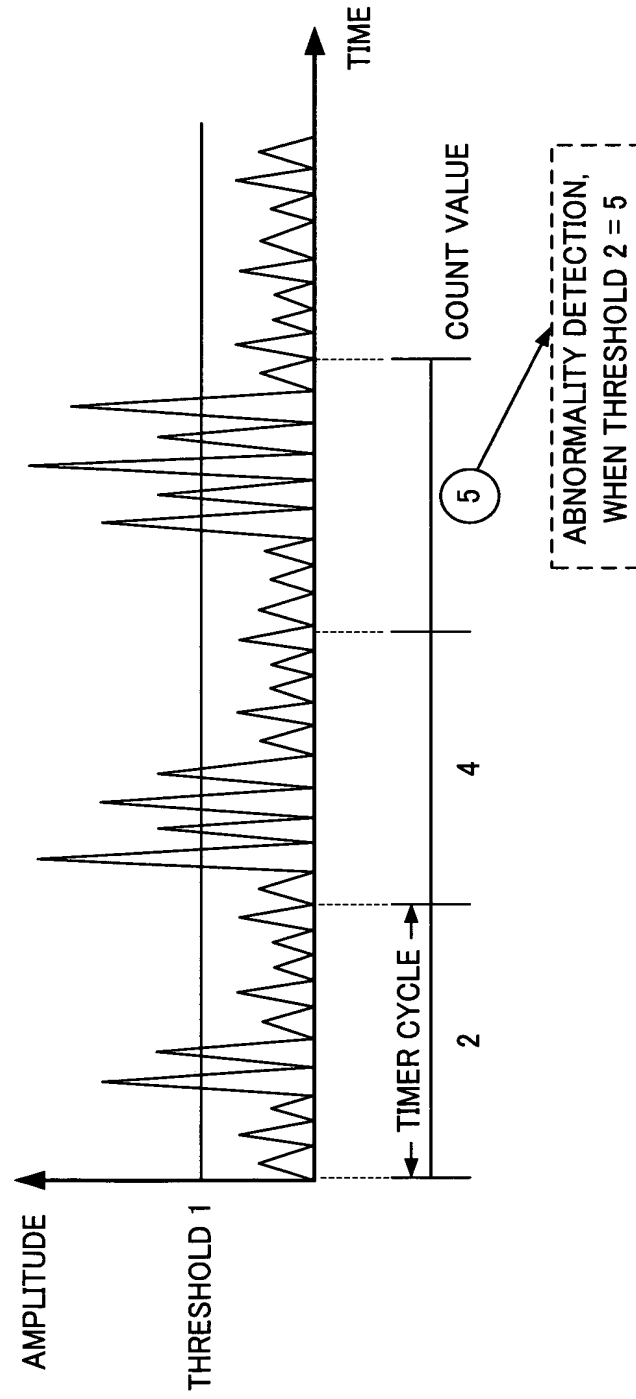


FIG.16

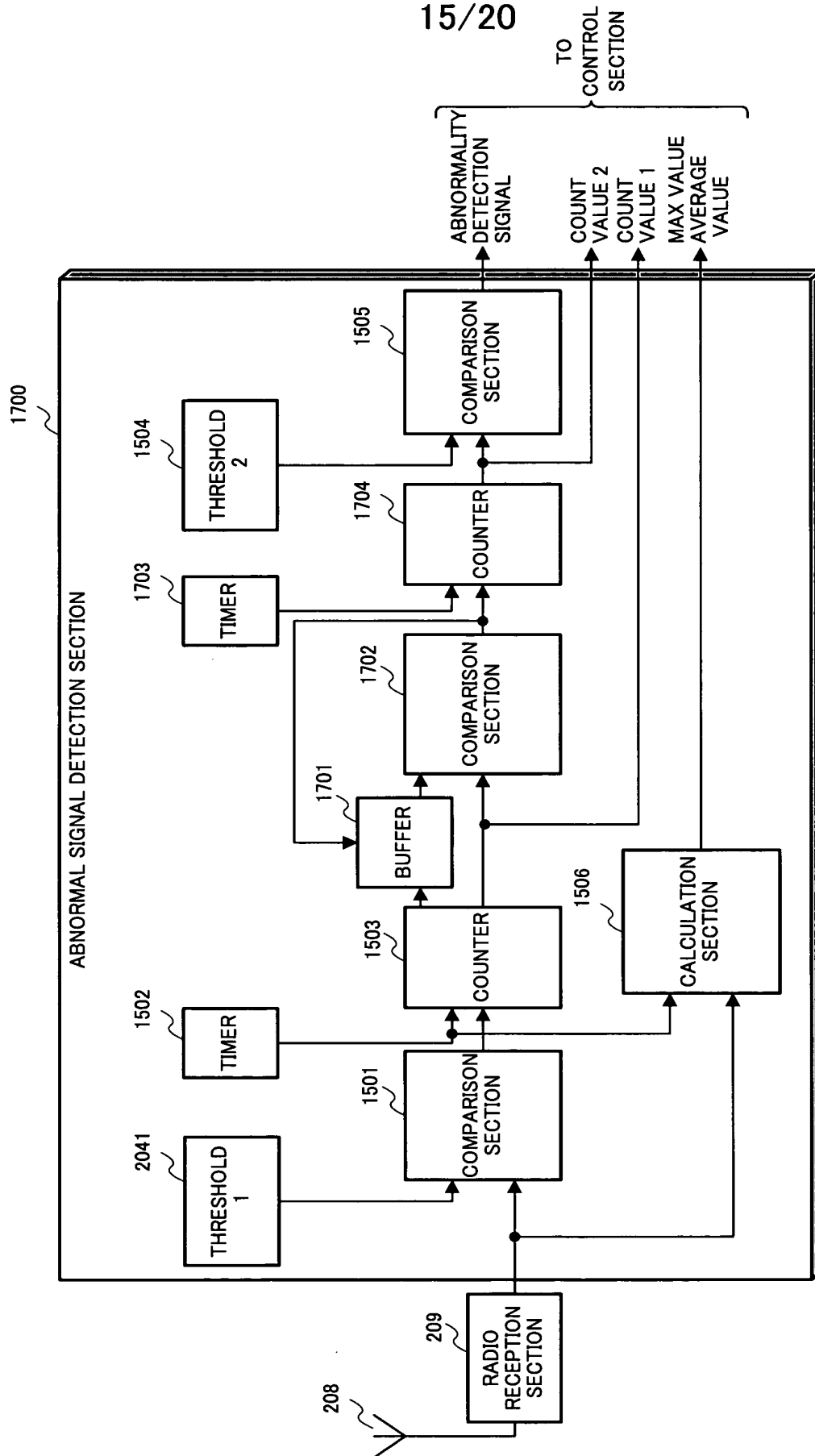


FIG.17

USER REPORT DB 1800

| USER ID | FREQUENCY | MAX VALUE | AVERAGE VALUE | REPORT RECEPTION TIME |
|---------|-----------|-----------|---------------|-----------------------|
| USER 1 | 5 | 43 | 18 | 12:45 |
| USER 2 | 3 | 112 | 86 | 12:49 |
| USER 3 | 7 | 108 | 62 | 12:49 |
| USER 2 | 10 | 112 | 86 | 12:50 |
| USER 3 | 12 | 108 | 62 | 12:50 |
| USER 2 | 11 | 112 | 86 | 12:51 |

SAME TIME PERIOD
(WITHIN 3 MIN.)

FIG.18

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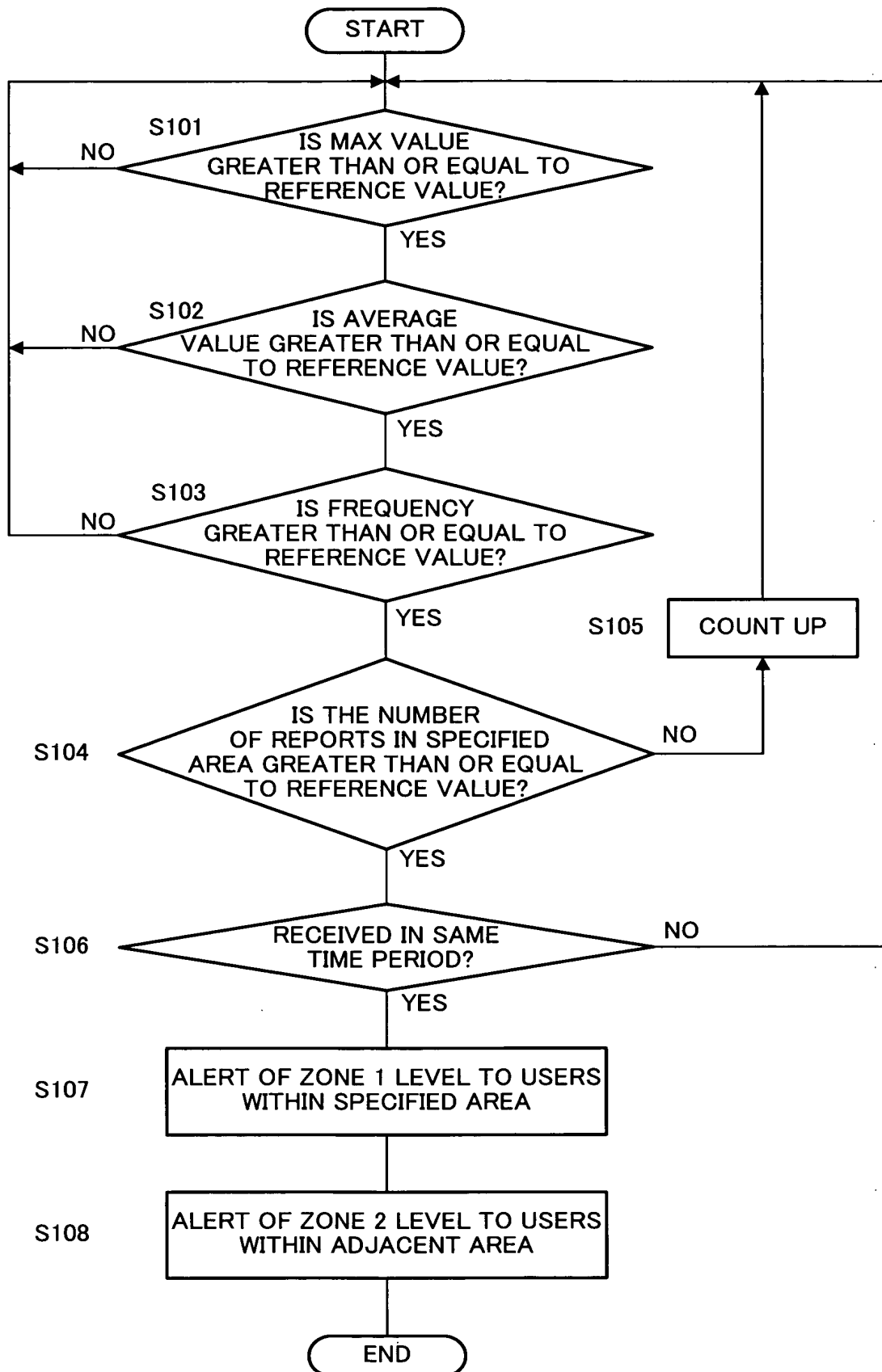


FIG.19

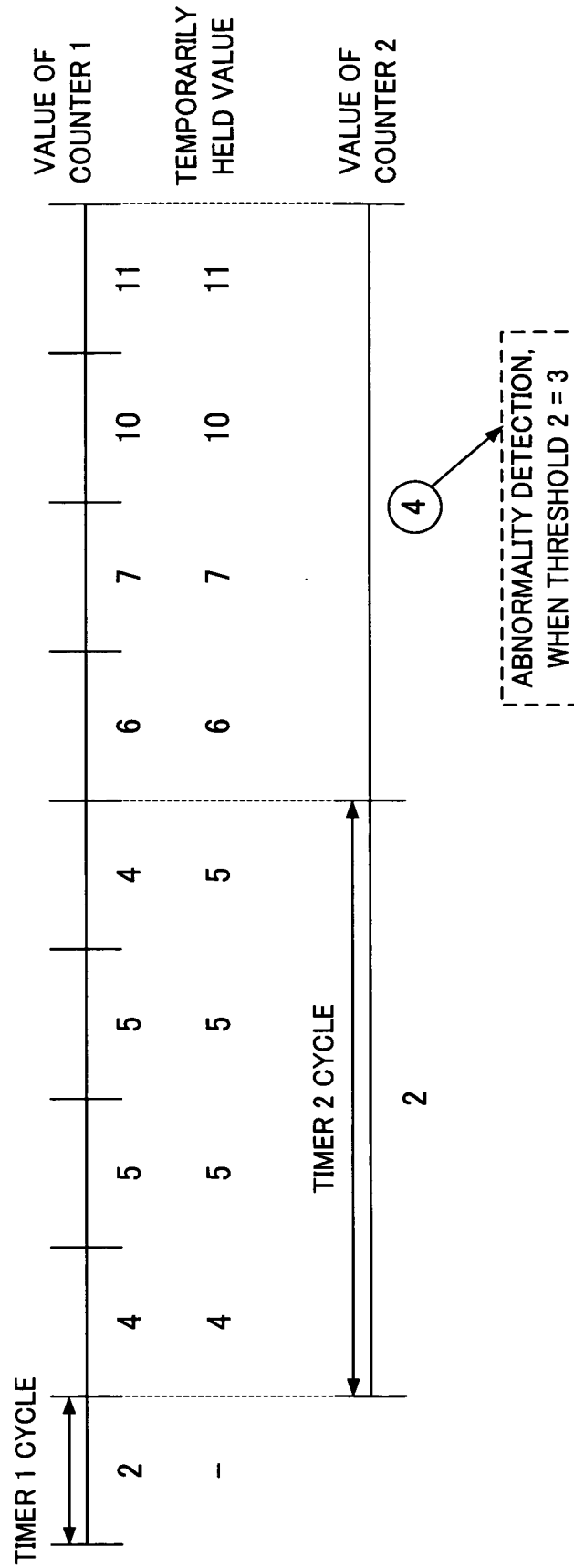


FIG.20

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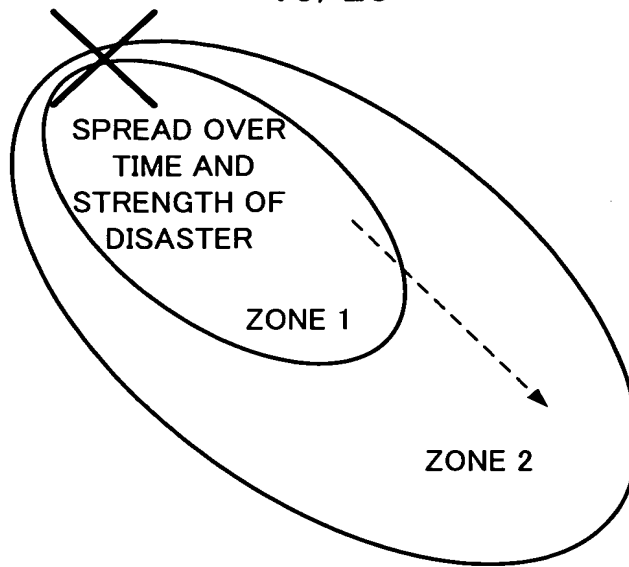


FIG.21A

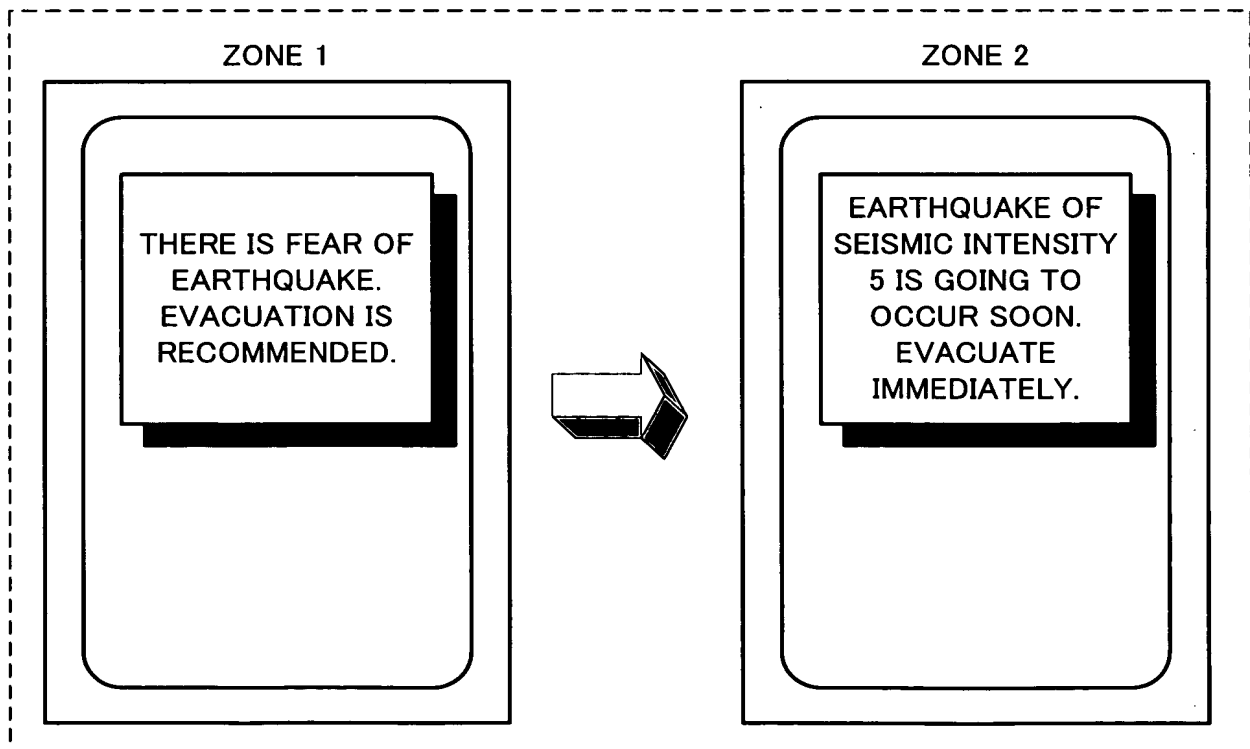


FIG.21B

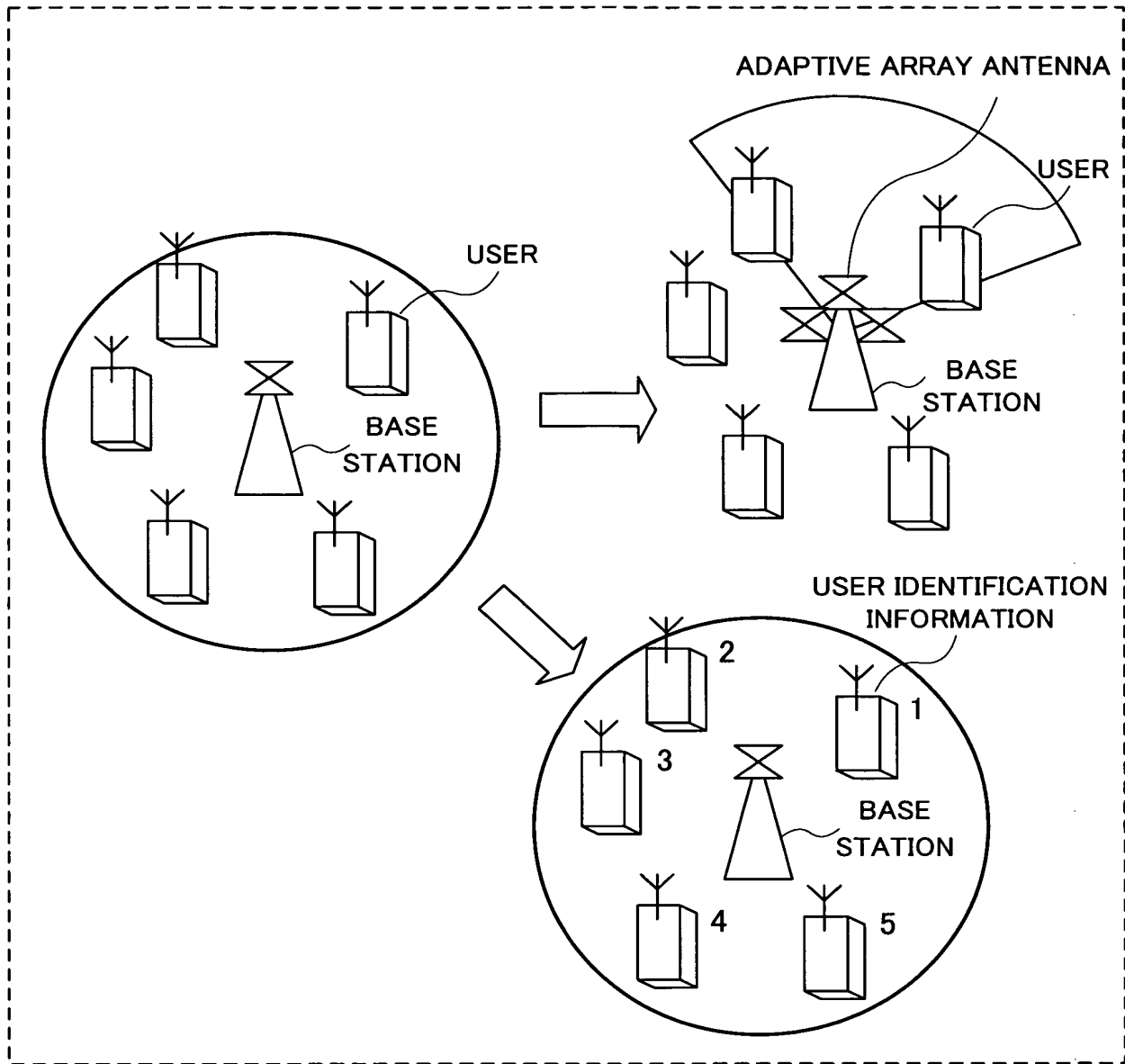


FIG. 22A

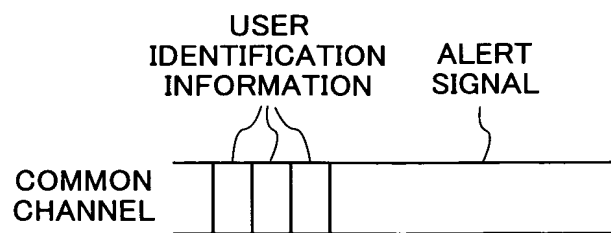


FIG. 22B